

Quarterly Progress Report

Project Title:	Evaluation of design ideas for prevention of vehicles entrapment on railroad tracks due to improper left turns		
RFP Number: 31	NJDOT Research Project Manager: Karl Brodtman, NJDOT		
Task Order Number/Study Number: NCTIP-31	Principal Investigator: Jeng, One-Jang		
Period Starting: 4/1/2000 - 12/31/2002 (Start-End Date of Study)	Period Ending: 04/04/2003		

Task	% of Total	% of Task this quarter	% of Task to date	% of Total Complete
Review and analysis of literature and accident reports	10	100	100	10
Setup of laboratory equipment	5	100	100	5
Conduct pilot experiments	5	100	100	5
Conduct formal experiments	20	100	100	20
Perform data processing and statistical analysis	10	100	100	10
Selection and modification of design ideas	10	100	100	10
Setup of design prototypes for field studies	10	100	100	10
Conduct pilot experiments for field studies	10	100	100	10
Conduct formal experiments for field studies	10	10	60	6
Perform data processing and statistical analysis	10	10	60	6
Final Report				
TOTAL	100 %			92.0 %

1. Progress this quarter by task:

As reported during the previously quarterly progress report meeting, the railroad crossing treatments for the field study was finished by a NJTransit contractor in mid January. Since then the temperature has been below the minimal temperature required for the two video camera to function properly (above 40 degrees) until the second week of March. There was only one video recording (out of six) as of the progress report date. It is anticipated that, since the temperature starts to rise, the video recordings can be completed within three weeks. The only tasks left for this project are statistical analysis of before and after comparison, and the project final report. The extended deadline for this project will be July 31.

2. Proposed activities for next quarter by task:

Next quarter will be the final quarter for this project. The activities for next quarter will include completion of the field video recording, statistical analysis of comparing before and after treatments, and the final project report.

3. List of deliverables provided in this quarter by task (product date):

4. Progress on implementation and training activities:

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5. Problems/proposed solutions:

6. Budget summary:

Total Project Budget (# Years)	3 Year	\$146,884.00
Total Project Expenditure to date		\$146,078.00
% of Total Project Budget Expended		99.45%
Task Order Number/ Study Number	3 Year	NCTIP-31
Current Task Order Budget (# of Years)		\$56,212.00
Actual Expenditure to Date Against Current Task Order		\$56,119.00
% of Current Task Order Budget Expended		99.83%